

3377-40

08/01/2000

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AUG 1 - 2000

Albemarle Corporation  
451 Florida Street  
Baton Rouge, LA 70801

Subject: BEQ 442-8 Biocide  
EPA Reg. No. 3377-40  
Amendment Date: 4/25/00  
EPA Receive Date: 5/03/00

Attention: Ms. Ann Oxford

The amendment, referenced above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A) to update the labeling and revised the Confidential Statement of Formula is acceptable provided the following recommendations are addressed before the product is released for shipment.

### Product Chemistry

The Confidential Statements of Formulas for the basic formulation and alternate formulation #1 dated 4/18/00 is acceptable. The formulations are in compliance with PR Notice 91-2 and in agreement with the label. The revised pH range and impurity profile are also acceptable.

### Acute Toxicology

The submitted study, MRID No. 451135-04, satisfies subdivision F guideline requirement for acute oral study 870.1100 (81-1) in the rat. This product is classified as toxicity category II based on the oral LD<sub>50</sub> of 129.2 mg/kg for combined (males and females).

The study in MRID No. 451135-02 fulfills subdivision F guideline requirement for acute dermal study 870.1200 (81-2) in the rat. Based on the dermal LD<sub>50</sub> of 1601 mg/kg combined (males and females), this product is placed in toxicity category II.

The study, MRID No. 451135-01, is acceptable in supporting subdivision F guideline requirement for primary skin irritation study 870.2500 (81-5) in the rabbit. This product is corrosive and is in toxicity category I for primary skin irritation.

SYMBOL	7510C						
SURNAME	Campbell						
DATE	7/31/00						

EPA Form 1320-1A (1/90)

Printed on Recycled Paper

OFFICIAL FILE COPY

The study in MRID No. 451135-03 meets subdivision F guideline requirement for dermal sensitization study 870.2600 (81-6). This product is not a dermal sensitizer.

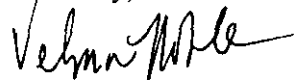
Acute Toxicology Profile

<u>Guideline</u>	<u>MRID No.</u>	<u>Toxicity Category</u>
Acute oral toxicity	451135-4	II
Acute dermal toxicity	451135-2	II
Acute inhalation toxicity	448851-1	II
Primary eye irritation	waived	I
Primary skin irritation	451135-01	I
Dermal sensitization	451135-03	non-sensitizer

The precautionary statements will need to be revised to reflect toxicity category II for acute dermal by stating "*May be fatal if swallowed, absorbed through the skin, or inhaled*".

A stamped copy of the label is enclosed. You will need to submit one copy of the final printed label to the Agency before this product is release for shipment. If you have any questions regarding this letter, please contact Jacqueline Campbell at (703) 308-6416.

Sincerely,



Velma Noble

Product Manager (31)

Regulatory Management Branch I

Antimicrobials Division (7510C)

Enclosure: Acute Toxicology Data Evaluation  
Stamped label

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**DANGER**  
**CORROSIVE**

Causes irreversible eye damage and skin burns. Harmful if absorbed through skin. Do not get in eyes, or on skin, or on clothing. Harmful if inhaled. May be fatal if swallowed. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

**FIRST AID**

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

**IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewer treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**ALBEMARLE®**  
**BEQ442-8**  
**BIOCIDE**

**FOR USE BY MANUFACTURERS ONLY**  
**IN FORMULATING MICROBICIDES, SANITIZERS,**  
**DISINFECTANTS AND FUNGICIDES**

**ACTIVE INGREDIENT:**

n-Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> )	
dimethyl benzyl ammonium chloride	40.0%
n-Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> )	
dimethyl ethyl benzyl ammonium chloride	40.0%

**INERT INGREDIENTS:** 20.0%

**TOTAL:** 100.0%

**KEEP OUT OF REACH**  
**OF CHILDREN**  
**DANGER**

See left panel for additional precautionary statements

**ALBEMARLE CORPORATION**  
**451 Florida Street**  
**Baton Rouge, LA 70801**

**ALBEMARLE®**

In case of an emergency endangering life or property  
involving this product, call collect (225) 344-7147.

EPA Reg. No. 3377-40  
EPA Est. No. 071728-IL-001

Batch No.

Net Contents

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

AUG 01 2000

**DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

**For Manufacturing Use Only**

Formulators using this product are responsible for EPA registration of their formulated products.

**STORAGE AND**  
**DISPOSAL**

**1. PROHIBITIONS**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

**2. STORAGE INSTRUCTIONS**

Store in original container. Keep from freezing.

**3. SPILL OR LEAK PROCEDURES**

Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained, the material then moved into containers and disposed of by approved methods for hazardous wastes.

**4. PESTICIDE DISPOSAL**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse is a violation of Federal Law. If these wastes cannot be disposed of by the user according to label instruction, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**5. CONTAINER DISPOSAL**

(Metal) Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

(Plastic Containers) Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 3370-40

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. May be fatal if swallowed or inhaled. Do not breathe spray mist. Wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Harmful if absorbed through skin. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove clothing and wash before reuse.

### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

#### If on skin or clothing:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

#### If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

#### If swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

#### If inhaled:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Store in original container. Keep from freezing.

**SPILL OR LEAK PROCEDURES:** Small spills may be mopped up, flushed away with water or absorbed in some absorbent material and incinerated. Large spills should be contained, the material then moved into containers and disposed of by approved methods for hazardous wastes.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### CONTAINER DISPOSAL:

**PLASTIC CONTAINERS:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**TOTES:** Verify that the tote is empty. Do not rinse or clean. Seal tote and contact appropriate vendor for tote pickup.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

AUG 01 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 3317-10